

**WEST**

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☐ 1. Document ID: SE 8904337 A Relevance Rank: 99

L3: Entry 1 of 1

File: DWPI

Jun 23, 1991

DERWENT-ACC-NO: 1991-278919

DERWENT-WEEK: 199138

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TITLE: Preventing light-induced yellowing of paper pulp -  
involves addn. of calcium oxalate to pulp with lignin content

INVENTOR: CARNO, B

PATENT-ASSIGNEE:

ASSIGNEE	CODE
CARNO B	CARNI

PRIORITY-DATA:

1989SE-0004337	December 22, 1989
1989SE-0004337	December 22, 1989

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SE 8904337 A	June 23, 1991	N/A	000	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-NO
SE 8904337A	December 22, 1989	1989SE-0004337	N/A

INT-CL (IPC): D21H 17/12

ABSTRACTED-PUB-NO: SE 8904337A

BASIC-ABSTRACT:

Calcium oxalate is added to the pulp grist or is applied as a coating to paper as part of a pigment. It has the property of bleaching formed coloured structures, e.g. benzoquinone structures, and can also reflect light due to the cpd. consisting of a white pptn..

It is formed in situ. in the pulp grist by mixt. of a calcium salt or oxide and oxalic acid, the latter being added firstly in the mixt.. The calcium salt used is pref. calcium carbonate.

Alternatively , a fluid current from a sulphate or sulphite works contg. oxalate is used for the prodn. of calcium oxalate.

The process works on the basic that oxalates, which are a diketone structure, absorb UV light in the same way as single ketones, but with the characteristic that photo-excited triplet situations revert to basic situations without forming radicals.

USE/ADVANTAGE - To prevent light-induced yellowing of pulp contains lignin, and also newsprint. (Provisional Basic previously advised in week 9133)

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: PREVENT LIGHT INDUCE YELLOW PAPER PULP ADD CALCIUM OXALATE PULP LIGNIN CONTENT

DERWENT-CLASS: E12 F09

CPI-CODES: E05-B01; F05-A02B; F05-A06B; F05-A06D;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

A220 A960 C710 J0 J012 J1 J172 K0 L5 L560

M280 M320 M411 M510 M520 M530 M540 M620 M630 M781

M903 M904 Q324 R024

Specific Compounds

10244U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-121146

Full	Title	CIT.1	REV.1	CLS.1	REF.1	DRAW.1

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